

## ABSTRACTS

The present invention relates a magnetizer comprising a permanent magnet having a shape of a hemisphere, a hemispherical shell, or a sphere, and more particularly, to a magnetizer comprising a permanent magnet having a shape of a hemisphere, a hemispherical shell, or a sphere capable of eliminating an overhang of a coil. The present invention provides a magnetizer of a DC motor comprising: a case; a hemispherical permanent magnet provided within the case; a non-magnetic member provided below the hemispherical permanent magnet; and a coil provided to the non-magnetic member.